

INDEX TO VOLUME V.

A.

	Page.
Antiseptic agents proper to each pathogenic microbe.....	165-167
Antiseptic properties of the essences, experimental studies in.....	349, 350
Antwerp, Belgium, denial that the lodging-houses are sources of typhus infection..	198
Aquatic micro-organisms and the composition of water, connection existing between.....	530
Armstrong, P. A. Surgeon S. T., report on influenza at Cleveland.....	60, 61

B.

Bacteria—

Atmospheric.....	327
Of healthy respiratory organs.....	218
Structure of.....	310
Action of an infusion of coffee on.....	529, 530
Action of solar light on.....	418
Bailhache, Surgeon P. H., report of scurvy on board steamship <i>Sterling</i>	17
Baltimore, vessels arriving without bills of health	465
Banks, P. A. Surgeon, report of influenza on board U. S. revenue steamer <i>Gallatin</i> ..	1
Barcelona, Spain, disinfection of wells.....	309
Beri-beri at St. Helena	252
Bordeaux, rumored arrival of a cholera infected vessel	198
Byrne, C. C., Surgeon U. S. Army, report on influenza at Soldiers' Home, D. C.....	170

C.

Carter, P. A. Surgeon H. R., reporting yellow fever at South Atlantic quarantine station.....	238, 247, 271, 272, 341, 353, 365, 375, 389
Chloride of lime, disinfecting power of.....	348
Cholera in—	
Abyssinia	507
Acavo	318
Ador	336, 411, 412, 429
Alacuas.....	429
Albaida.....	320
Albaite	430
Albalat.....	347, 397, 412, 413, 429
Alberique.....	360, 371, 395, 396, 412, 413, 429
Alcaida.....	334
Alcantara.....	318, 359, 395, 396, 397, 412, 429
Alcira	318, 336, 359, 395, 411, 413, 429
Alcudia.....	371, 395, 396, 397, 412, 413, 429
Aleira	318, 336

Cholera in—*Continued.*

Page.

Aleppo.....	430, 527, 554, 555, 563, 589
Alfarrasi.....	359, 360, 370, 395, 396, 413
Algernesí.....	360, 370, 371, 395, 396, 397, 411, 412, 413, 429
Alicante.....	411
Almoines.....	429
Almusafes.....	429
Almiserat.....	336, 347
Alniente.....	430
Anna.....	396, 411
Antella.....	413, 429
Argobispo.....	412, 413, 429
Ayelo.....	318
Ayelo de Malferit.....	396, 397, 411, 429
Ayelo Rugat.....	347, 360
Badajos.....	411
Barcelona.....	472, 490, 504
Barcheta.....	430
Belgida.....	396, 411, 413, 429
Benaguacil.....	347, 359, 430
Beniatjar.....	318
Benicolet.....	335, 396, 397
Beniganim.....	320, 334, 335, 360
Benifairo.....	318, 336, 347, 370, 395, 396
Benifayo.....	309
Beniopa.....	318, 335, 336, 347, 359, 360, 370
Benipeixcar.....	318, 335, 336
Bolbaite.....	413, 429
Bufulat.....	429
Buñol.....	396, 413
Cadiz (reported).....	456, 457
Cadiz.....	526
Cairo, precautions against the introduction of, by returning pilgrims.....	398, 414
Calcutta.....	398
Camprana.....	430
Canals.....	370, 371, 395, 396, 397, 411, 413
Cantale.....	429
Cape Town.....	517
Carcagente.....	320, 335, 347, 413
Carcer.....	335, 429
Carlet.....	396, 411, 413
Castellon.....	335, 336, 395, 396, 413
Castellon de Rugat.....	320, 347, 348, 359, 360, 370, 371, 395, 396, 411, 429
Catarroja.....	429
Cerda.....	370, 371, 395, 396, 397, 411, 429
Chelva.....	429
Chera.....	430

Cholera in—*Continued.*

Page.

Cotés.....	430
Crespins.....	411
Cuatretonda.....	318, 335, 336, 360, 370, 395, 396, 397, 411, 413, 429
Cullera.....	318, 336, 359
Dairnez.....	318, 336, 359
Denia.....	309, 381
Duero.....	318
Enova.....	318, 335, 336, 347, 359, 413
Egypt, decrease of.....	507
Erbil.....	397
Fenollet.....	320, 334, 335, 429
Fortaleni.....	336
Fortanelli.....	395, 396
France.....	286, 287
Fusan.....	543, 544
Gabarda.....	429
Gandia.....	286, 309, 318, 320, 334, 335, 336, 347, 348, 359, 360, 370
Genovés.....	335
Geronimo.....	359
Godella.....	429
Granada.....	381
Granja.....	371, 395, 396, 397, 411, 430
Grao de Valencia.....	491
Grave.....	412
Guadasequia.....	359, 360, 370
Hama.....	563, 589, 602, 610
Hiogo.....	516, 517, 544, 555, 589
Homs.....	589, 602, 610
Japan.....	382, 383
Japan, measures taken to prevent the spread of.....	382
Jativa.....	335
Kanagawa.....	473
Llanera.....	370, 371, 395, 396, 397, 412
Llosa.....	413
Llosa de Ranes.....	371, 396, 429
Lolem.....	318
Lucca.....	318, 336
Luchente.....	371, 395, 396, 397, 412, 413, 429
Lugar Nuevo de San Geronimo.....	318
Madrid.....	318
Manuel.....	320, 334, 336, 347, 371, 396, 397, 411
Masalaves.....	396, 429
Masamagrell.....	395
Mecca.....	398, 399
Mesopotamia.....	11, 12, 45, 46, 507
Mesopotamia, conflicting reports concerning.....	102

	Page.
<i>Cholera in—Continued.</i>	
Mesopotamia, origin of.....	102
Mesopotamia, decrease of.....	85
Mesopotamia, reappearance of.....	267
Millares.....	347, 348, 359, 360, 370, 371, 395, 396, 397, 411
Mojente.....	318, 336
Montesa.....	371, 396, 429
Montichelvo.....	319, 320, 334, 335, 347, 359, 360, 371, 395, 430
Nagasaki.....	381, 398, 457, 505, 544, 555, 589
Natal.....	383, 474, 517, 518
Navarres.....	395, 396
Novela.....	430
Newcastle-upon-Tyne, denial of.....	442, 443
Olleria.....	429
Onténiente.....	370, 371, 411, 413, 429
Osaka.....	516, 517, 544, 555, 589
Otos.....	318, 335, 336
Paiporta.....	396, 413, 429
Palermo, suspected.....	336, 337
Palma.....	395, 396, 397, 411, 412, 413, 429
Paterna.....	430
Pedralva.....	430
Persia.....	56, 265, 266
Persia, cessation of.....	140
Protoreo.....	318
Puebla Larga.....	347
Puebla de Rugat.....	297, 319
Puebla Nuevo del Mar.....	370, 429
Rafol de Salem.....	348, 429
Real de Gandia.....	335
Regoa.....	318
Requena.....	429
Ribera.....	411
Riola.....	396, 411, 413
Rotgla.....	370, 395, 396, 397, 411, 412, 413
Rotova.....	336, 347, 370, 395
Rufal.....	318
Rugat.....	336, 429
San Carlos de la Rapita.....	411
San Geronimo.....	335, 336, 347, 395
Sellent.....	412, 429
Senera.....	318, 335, 336
Seville.....	381
Silla.....	396
Singapore.....	398
Sollana.....	412, 413, 429
Spain.....	297, 298, 308, 309, 310, 311, 318, 319, 347, 358, 359, 369, 380, 384, 394, 507, 554

	Page.
<i>Cholera in—Continued.</i>	
Spain, increase of.....	348
Spain, decrease of.....	588
Spain, royal decree of minister of interior relative to.....	298, 299
Suebla.....	320
Sueca.....	347, 348, 359, 360
Sumatra.....	94
Tarragona.....	411
Tativa.....	348
Tayaco.....	412
Tavernes de Valldigua.....	318, 335, 395, 396, 397
Terrateig.....	359, 360, 370, 371, 395, 396
Toledo.....	380, 381, 411
Torrella.....	370, 396, 397
Torrente.....	429
Tortosa.....	411
Turkey in Asia.....	55, 56, 337, 338, 372, 383, 385, 505-507, 527-529, 542, 543, 563, 575, 589, 601, 610
Utiel.....	370, 396, 397, 411, 412, 413, 429
Valencia.....	262, 277, 286, 299, 318, 320, 334, 336, 359, 360, 370, 381, 397, 411, 471, 503, 504, 516, 562
Valencia, origin of.....	319
Vallada.....	395, 411, 412
Valldigna.....	309, 411, 412, 413, 429
Valles.....	396
Venice.....	507
Villa Nueva de Castellón.....	319, 334
Villalonga.....	429
Yaraca.....	413
Yativa.....	347, 359, 360, 370
Yokohama.....	505, 589
Zarraco.....	335
<i>Cholera—</i>	
Ground-water and drinking-water theories of the etiology of.....	325-327
Cobra venom not a cure for.....	547
Possibility of its introduction into Santiago de Cuba by laborers from Spain...	300
Prevention and treatment of.....	458, 459
Regulations of the British Government concerning.....	475-479
Sanitary prophylaxis of.....	267, 268
Causal theories concerning outbreaks of.....	386, 387
Coccidium in the eggs of fowls.....	226
Congress, act of, to prevent the spread of scarlet fever and diphtheria in the District of Columbia.....	580, 581
Costa Rica, requesting removal of quarantine at New Orleans.....	362
 D.	
<i>Death rate (foreign)—</i>	
Breslau.....	320
Catania.....	200

	Page.
Death rate (foreign)— <i>Continued.</i>	
England.....	4, 21, 34, 43, 54, 66, 81, 100, 118, 127, 137, 147, 162, 174, 184, 197, 206, 216, 225, 233, 243, 252, 262, 277, 284, 296, 317, 333, 346, 358, 369, 380, 393, 408, 428, 442, 455, 470, 490, 503, 515, 525, 544, 553, 561, 573, 587, 599, 609
Gibraltar.....	128
Ireland.....	4, 21, 34, 43, 54, 66, 81, 93, 100, 118, 127, 137, 162, 174, 184, 197, 206, 216, 225, 243, 252, 262, 277, 285, 296, 308, 317, 333, 346, 358, 369, 380, 393, 408, 428, 442, 455, 470, 490, 503, 515, 525, 541, 553, 561, 573, 587, 599, 609
London.....	4, 21, 34, 43, 54, 66, 81, 100, 118, 127, 137, 147, 162, 174, 184, 197, 206, 216, 225, 233, 243, 252, 262, 277, 285, 296, 317, 333, 346, 358, 369, 380, 393, 408, 428, 442, 455, 470, 490, 503, 515, 525, 541, 553, 561, 573, 587, 599, 609
Netherlands.....	35, 55, 216, 233, 337, 381, 563
Puerto Orotavo.....	187
Scotland.....	4, 11, 34, 43, 54, 66, 81, 93, 118, 127, 137, 147, 162, 174, 184, 197, 206, 216, 225, 233, 243, 252, 262, 277, 285, 296, 308, 317, 333, 346, 358, 380, 393, 408, 428, 442, 455, 470, 490, 503, 515, 525, 541, 561, 573, 587, 599, 609
Wales.....	4, 21, 34, 43, 54, 66, 81, 100, 118, 127, 137, 147, 162, 174, 184, 197, 206, 216, 225, 233, 243, 252, 262, 277, 284, 296, 317, 333, 346, 358, 369, 380, 393, 408, 428, 442, 455, 470, 490, 503, 515, 525, 541, 553, 561, 573, 587, 599, 609
Death rate, United States—	
Burlington.....	258, 343
Connecticut.....	180
Council Bluffs.....	258
Davenport.....	258, 343
Des Moines.....	257, 343
Dubuque.....	258, 343
Iowa.....	292
Keokuk.....	343
Muscatine.....	258
New York.....	2, 124, 145, 376, 569
Diphtheria—	
Bacillus of.....	399
How spread by corpses.....	258
Diphtheria in—	
Brooklyn.....	438
Connecticut.....	133
Iowa.....	18
Nova Scotia.....	455, 456
Ohio.....	122
Disease, the relation of microbes to.....	95
Diseases prevailing in (foreign)—	
Antilles.....	479
Africa.....	433, 434
Asia.....	447, 449
Australasia.....	459
Australia.....	460
Austro-Hungary.....	419

Diseases prevailing in (foreign)—*Continued.*

Belgium	419
Bermuda	479
Brazil	461
Canada	480
Central America	479
Colombia	461
Denmark	420
France	419
Georgetown	45, 55, 101
Germany	420
Greece	420
Guiana	461
Holland	419
Iceland	420
Italy	419
La Plata	461
Mexico	480
New Zealand	460
Norway	420
Patagonia	461
Portugal	419
Polynesia	459
Russia	420
Scotland	419
South America	460
Spain	419
Sweden	420
Switzerland	419
Turkey	420
Van Dieman's Land	460

Diseases prevailing in United States—

California	63
Iowa	114, 144
Michigan (monthly)	2, 8, 18, 19, 31, 41, 52, 62, 78, 90, 98, 115, 123, 124, 134, 144, 145, 156, 157, 171, 181, 193, 203, 212, 222, 240, 249, 258, 274, 281, 292, 293, 306, 314, 329, 343, 355, 366, 376, 389, 390, 403, 404, 424, 438, 451, 465, 466, 485, 486, 500, 512, 521, 535, 536, 548, 549, 557, 568, 583, 594, 605, 606
Ohio	194
Rhode Island	229, 259
Tennessee	53, 230, 274, 330, 376, 569

Disinfectants for quarantine and hospital purposes.....579, 580

E.

Egyptian Quarantine Board, meeting* of.....	414-416
Epidemic, unnamed, reported at Assy, Yemen.....	563, 564
Eyes, contagious diseases of.....	95

F.		Page.
Fevers, foreign countries—		
Dengue—		
Barcelona.....		44
Cadiz.....		35
Extension from tropical to temperate regions.....		139, 140
France.....		35
Madrid ..		44
Seville.....		44
Transmission of, to certain animals.....		362, 363
Scarlet fever at Glasgow.....		561
Typhus fever on steamship <i>Westernland</i>		1, 7, 16
Fevers, United States—		
Enteric—		
In New Haven.....		438
On U. S. training-ship <i>New Hampshire</i>		9, 90
Transmission of, by air.....		301
Entero malarial.....		153, 154, 155
Scarlet, in—		
Connecticut		272, 273
Iowa		18
Typhus, in New York.....		16
Florida—		
First annual report of the State health officer.....		238
Precautionary measures taken to prevent the importation of cattle and horses from districts infected with glanders.....		547
Ford, Dr. Wm. H., asking instructions relative to disposition of lepers.....		533, 534

G.

Gassaway, Surgeon James M., reporting influenza at New Orleans.....	593
Germany, contagious disease of eyes.....	95
Germs, pathogenic, action of the soil on.....	175, 176
Gibson, A. A. Surgeon L. P., reporting small-pox at Redfield, Ark.....	521
Glanders, in Georgia.....	582

H.

Hamlin, Horace, relative to suppression of facts concerning yellow fever at Limon..	601
Hartigan, Jas. F., United States consul at Trieste, Austria, relative to the disease "La Nona"	263
Herrick, Dr. S. S., report on small-pox in New Mexico.....	303, 304
Homan, Geo., secretary board of health, reports leper in St. Louis	50, 51
Honduras, C. A., denial of reported epidemic of yellow fever.....	361, 362

I.

Infectious and contagious diseases, notification of the existence of.....	484, 485
Influenza (foreign countries)—	
Amsterdam	67, 82
Bahia.....	184, 185

Influenza (foreign countries)—*Continued.*

Page.

Cadiz.....	44
Catania	81
Constantinople.....	138, 139
Copenhagen.....	11, 35, 44, 55, 101
Edinburgh.....	54
Gibraltar.....	11, 35, 66
Glasgow	54, 66
Guaymas.....	130
Havana.....	545
Italy.....	70
Kingston, Can.....	55
Leghorn	44, 81
London.....	70
Marseilles.....	44
Mayence.....	44, 55
Merida.....	36, 45, 526
Nassua, N. P.....	101
Paris.....	36, 37, 38, 70
Rome.....	68
Rouen	68
Russia.....	70
South America.....	68
Trieste.....	100
Vienna.....	70
Warsaw.....	70

Influenza (United States)—

Baltimore.....	25, 39, 59, 73, 87, 97, 105, 121
Binghamton.....	26, 40
Boston.....	1, 7, 15, 25
Brooklyn	15, 25
Canton, Ohio	7, 60
California.....	74
Charleston	39, 40
Chicago.....	15, 39, 50, 59, 73, 87, 97, 121
Cincinnati.....	25, 39, 49, 59, 73, 87, 97, 105, 121
Cleveland.....	59, 60, 61, 73, 87, 97
Connecticut	76, 77
Denver.....	39, 97, 121
Evansville.....	88
Fall River.....	25
Galveston.....	121
Government Hospital for the Insane, District of Columbia.....	105, 106
Indianapolis.....	25, 39, 60, 73, 121
Iowa.....	88
Kansas City.....	25, 60
Keokuk.....	26, 40, 49, 87, 97, 114

	Page,
<i>Influenza (United States)—Continued.</i>	
Manchester.....	49, 50
Michigan.....	62, 63, 74, 75
Milwaukee.....	87
Nashville.....	60, 73, 87, 97, 105, 121
New Berne.....	26
New Orleans.....	39, 73, 97, 105, 593
Newport.....	7, 26, 74
Newton.....	7, 87, 90, 105
New York.....	15, 25, 39, 59, 73, 97, 105, 121
Philadelphia.....	39, 59, 73, 87, 97, 105, 121
Pittsburgh.....	73, 87
Portland.....	7, 25, 40, 74, 87
Providence.....	15, 25, 39, 49, 60
Rockland.....	50
San Diego.....	50, 107
Rochester.....	15, 49, 60, 121
Toledo.....	7, 73
U. S. Soldier's Home, District of Columbia.....	170
Wilmington, Del.....	49, 74
Yonkers, N Y.....	15, 40, 49, 74
<i>Influenza—</i>	
Among Canadian Indians.....	71
Among cats.....	101
Cerebro-spinal complications.....	130, 131
Epidemic catarrhal fever or grippe, report on.....	119
Influence on mortality.....	149
Inquiry on.....	237
Microbe of.....	83, 84, 85
Relative cause of.....	12
Report on.....	82, 83
<i>Influenza on vessels—</i>	
<i>Tungiers</i>	11
U. S. revenue steamer <i>Dallas</i>	15, 16
U. S. revenue steamer <i>Gallatin</i>	1
U. S. revenue steamer <i>Woodbury</i>	15, 16
International treaty between Germany and Belgium.....	150, 151
Interstate quarantine act.....	143, 144
Irwin, Surgeon Fairfax, reports case of small-pox at Chelsea.....	248
Italy, statistical report of infectious diseases in 1889.....	218

K.

Kennedy, D. J. F., secretary board of health, report on influenza in Iowa.....	88
Key West as a sanitary problem.....	238, 239
Kinyoun, J. J., assistant surgeon, M. H. S., report on entero-malarial fever.....	153, 154, 155

L.

Page.

"La Nona," statement relative to.....	263
Lead—	
Contamination of water by, etc.....	71
Water-pipes, danger in using.....	47
Lee, Dr. Benjamin, secretary board of health, asks instructions relative to leper in Philadelphia.....	535
Leprosy (foreign countries)—	
Havana, photographs of typical cases in leper hospital, now on exhibition	605
Levaka, Fiji Islands.....	589
Puerto Capello.....	337
Leprosy (United States)—	
Boston, case of, brought on Cunard steamer	203
Case returned to Europe.....	211
Indiana.....	203
Minnesota.....	536
Mississippi	179
New Orleans.....	533
New York.....	313
St. Louis.....	50
Leprosy on vessels—	
Johannes.....	533
Arroyo.....	533
Leprosy—	
Contagiousness of.....	418, 459
Danger of its introduction into the United States through the Canadian frontier.....	40, 41
Disposition to be made of cases of.....	533, 534
Measures for preventing spread of, in Norway.....	148
National legislation requested regarding.....	98
Opinions on the contagiousness of.....	22
Question of, before the Imperial Society of Medicine.....	234
To prevent the introduction of, into the United States.....	107
Transmission of, from China to foreign countries.....	163, 164
List of places to which immigrants from typhus-infected steamship <i>Westernland</i> were sent	8
Louisiana—	
Annual proclamation of quarantine.....	191
Precautionary measures suggested to owners, agents, and masters of vessels.....	192, 193

M.

McConnell, A. A. Surgeon A. P., report of influenza in Michigan.....	74, 75
Malaria on the line of the Caucasian Railway in 1889.....	338
Marseilles, France, transshipment of wool to the United States.....	599, 600
Massachusetts, State association of local health boards.....	18
Metschnikoff, the phagocyte theory of.....	188, 287, 288
Microbic diseases, the effect of fatigue on	227

	Page.
Mohammedan pilgrims, danger from vessels engaged in transporting.....	567
Montizambert, Dr. F., relating to the introduction of leprosy into the United States through the Canadian frontier.....	41
Morena, Dr. Manuel R., report of sanitary inspection in Mexico.....	285, 322-325
Mortality tables (foreign cities).....	5, 13, 23, 38, 47, 57, 72, 86, 96, 103, 120, 132, 141, 151, 167, 177, 189, 202, 209, 220, 228, 236, 246, 256, 269, 280, 289, 302, 312, 328, 339, 340, 351, 364, 374, 387, 388, 402, 421, 422, 435, 449, 450, 462, 463, 481, 482, 496, 497, 508, 509, 519, 520, 531, 532, 546, 556, 565, 566, 577, 590, 591, 603, 610
Mortality (not tabulated), foreign cities and countries:	
Alexandria, Egypt.....	371
Algiers.....	383
Antigua.....	138
Athens.....	381
Barcelona.....	381, 456, 516, 562, 574
Berlin.....	234
Bologna.....	554
Bordeaux.....	393, 574
Breslau.....	320, 321
Brussels.....	254
Buenos Ayres.....	11, 94
Butaritari.....	45
Cadiz.....	101, 199, 252, 253, 457
Cairo.....	371
Calcutta.....	444
Canada.....	284, 285, 333, 515, 573, 574
Cape Haytien.....	45, 138, 198
Catania.....	337
Ceara.....	11, 67, 147, 175, 206, 278, 362, 545, 588
Ceylon.....	371, 576
Constantinople.....	201, 430, 471, 527, 589
Dundee.....	393, 456, 541, 573
Dublin.....	4, 21, 34, 43, 54, 66, 81, 93, 100, 118, 127, 137, 162, 174, 184, 195, 206, 216, 226, 252, 262, 277, 289, 296, 308, 317, 333, 346, 358, 369, 380, 393, 408, 428, 442, 455, 470, 490, 503, 515, 525, 541, 553, 561, 573, 587, 609
Egypt.....	545, 555, 564, 576, 589, 602
Florence.....	360, 430, 554, 562
Georgetown.....	21, 147, 207, 278, 309, 431
Gibraltar.....	128
Grao.....	472, 516
Guaymas.....	22, 94, 217, 263, 588, 601
Havana.....	36, 67, 119, 175, 185, 217, 254, 285, 299, 372, 373, 417, 491, 504, 518, 545, 555, 564, 588, 600, 609
Havre.....	278
Hong-Kong.....	576
Jerez de la Frontera.....	457
Kingston, Jamaica.....	383, 444
Licata.....	397

	Page.
Mortality (not tabulated), foreign cities and countries— <i>Continued.</i>	
Lisbon.....	443, 491
Loanda	529
London.....	4, 21, 34, 43, 54, 66, 81, 100, 118, 127, 137, 147, 162, 174, 184, 195, 206, 216, 225, 233, 252, 262, 277, 289, 296, 317, 333, 346, 358, 369, 380, 393, 404, 428, 442, 455, 470, 490, 503, 515, 525, 541, 553, 561, 573, 587, 609
Lucerne.....	360, 381, 457, 542, 588
Maceio.....	67, 198
Malta and Gozo.....	4, 197, 243, 284, 333, 358
Marseilles.....	43, 93, 137, 184, 225, 262, 318, 369, 443, 562, 609
Merida.....	383
Milan.....	430, 471, 554, 588, 589
Nantes.....	358, 394, 542, 574
Netherlands.....	81, 198, 337, 381, 457, 502, 610
Newcastle-upon-Tyne	455, 553
New Zealand.....	589
Nice.....	346, 410, 471, 562, 574
Odessa.....	337
Palma	472, 516
Para.....	225, 277, 325, 383, 445
Paramaribo	4, 36, 101, 185, 234, 278, 564
Paris	43, 55, 67
Paso del Norte.....	471, 555, 576
Piræus	381
Port Mahon.....	472
Puerto Orotava, Tenerife.....	187, 188
Puerto Plata	491
Rheims	369, 428, 553, 574
Rio de Janeiro.....	21, 36, 55, 67, 137, 147, 174, 185, 216, 217, 233, 243, 263, 277, 285, 458, 518
Rome.....	457
Rouen.....	471, 554, 587
Ruatan, Honduras	138
St. Johns, Antigua.....	371
St. Nazaire.....	471
St. Pierre, Martinique.....	473
St. Thomas, W. I.....	138, 244, 430, 545
San Felix Guixols.....	472, 516
San Juan del Norte	45, 297
Santander.....	443
Santiago de Cuba.....	163, 337, 362, 431
Scotland	4, 11, 34, 43, 54, 66, 81, 93, 118, 127, 137, 147, 162, 174, 184, 195, 206, 216, 226, 233, 252, 262, 277, 289, 296, 308, 317, 333, 346, 358, 380, 393, 408, 428, 442, 455, 470, 490, 503, 515, 525, 541, 561, 573, 587, 609
Sherbrooke.....	553
Singapore	163, 197, 278, 285, 398, 457, 544, 576
Straits Settlements, B. I.....	285

	Page.
Mortality (not tabulated), foreign cities and countries— <i>Continued.</i>	
Sydney	491
Tarragona.....	472, 516
Three Rivers	317, 369
Torreviaja.....	472
Trinidad.....	22, 244, 362, 545
Turin.....	254, 370, 413, 443, 526, 542, 575
Zurich.....	321, 413, 554
Mortality in—	
Pilgrim caravans.....	518, 519
Spanish army	443
Mortality tables, weekly, cities of the United States.....	3, 10, 20, 33, 42, 53, 65, 80, 92, 99, 117, 126, 136, 146, 160, 173, 182, 195, 204, 214, 223, 231, 241, 250, 260, 275, 282, 295, 307, 316, 332, 344, 356, 367, 377, 390, 405, 425, 439, 452, 467, 487, 501, 512, 522, 538, 550, 558, 596, 606
Mortality (not tabulated) United States—	
Alachua County, Fla	257, 314
Aurora.....	134
Binghamton, N. Y	52
Burlington, Iowa.....	258, 343
California.....	29, 75, 180, 221, 272, 354, 366, 437, 499, 548
Chattanooga, Tenn.....	3, 41, 64, 159, 213, 260, 367, 439, 511, 557, 606
Chicago.....	31, 77, 113, 171, 212, 257, 305, 366, 423, 548, 594
Cincinnati.....	78, 172, 213, 250, 294, 355, 424, 466, 537, 583
Connecticut	30, 76, 133, 180, 203, 221, 272, 366, 437, 438, 451, 499, 557, 594
Council Bluffs	258, 375, 424, 535, 594
Davenport, Iowa.....	2, 52, 171, 229, 258, 329, 343, 354, 423, 485, 535, 548, 594
Dayton, Ohio.....	20, 64, 172, 213, 259, 306, 424, 500, 537, 594
Denver	18, 61, 113, 171, 211, 248, 305, 354, 423, 485, 535, 594
Des Moines.....	89, 123, 171, 257, 343, 423, 535, 594
Detroit.....	31, 78, 124, 181, 222, 306, 366, 438, 500, 568
Dubuque.....	41, 52, 114, 171, 212, 248, 258, 305, 343, 354, 403, 423, 535, 548, 594, 605
Evansville	144, 171, 212, 248, 305, 354, 403, 485, 535, 583
Fall River.....	78, 123, 171, 249, 305, 355, 403, 485, 535, 583
Florida	354, 423, 438, 465, 511, 582
Galesburg, Ill	18, 77, 114, 212, 257, 305, 354, 423, 500
Grand Rapids, Mich.....	19, 115, 157, 212, 306, 355, 404, 466, 536, 583
Hudson County, N. J.....	2, 63, 98, 134, 172, 204, 249, 281, 344, 404, 486, 537, 568
Iowa.....	18, 52, 257, 343, 423, 535
Jacksonville.....	403
Kansas City	229, 367, 500, 595
Keokuk.....	18, 52, 61, 114, 156, 212, 248, 258, 292, 343, 403, 424, 465, 535, 583, 594
Los Angeles.....	61, 221, 485
Louisville.....	89, 171, 222, 249, 305, 354, 424, 485, 535, 605
Lynchburg	9, 64, 116, 159, 213, 294, 356, 425, 466, 537, 595
Manchester.....	229
Memphis.....	439, 537, 583

Mortality (not tabulated), United States—*Continued.*

Page.

Minneapolis.....	31, 78, 181, 222, 259, 314, 424, 500, 549, 606
Minnesota.....	19, 20, 90, 116, 158, 203, 204, 249, 293, 366, 367, 390, 536, 583
Mobile.....	17, 75, 122, 170, 221, 257, 313, 366, 423, 548, 593
Muscatine.....	258, 424, 535, 594
Nashville.....	32, 79, 125, 172, 213, 260, 306, 356, 425, 537, 595
New Haven.....	123, 144, 240, 257, 313
Newport, R. I.....	9, 32, 64, 90, 116, 159, 213, 250, 294, 356, 404, 486, 549, 583
Newton.....	90, 123, 240
New York.....	2, 63, 124, 145, 204, 240, 282, 344, 376, 390, 451, 452, 521, 568, 569
North Carolina.....	9, 52, 116, 157, 204, 259, 294, 404, 486, 549, 583
Oakland, Cal.....	17, 123, 170, 211, 257, 313, 366, 437, 485, 548, 593
Ohio.....	125, 158, 159, 193, 390, 595
Omaha.....	172, 229, 274
Pensacola.....	203, 240, 292, 343, 403, 535, 582
Peoria.....	273
Petersburg.....	9, 344
Portland, Me.....	77
Rhode Island.....	3, 31, 32, 78, 135, 193, 229, 259, 557, 606
Rochester.....	20, 64, 124, 125, 172, 213, 259, 306, 355, 424, 486, 549, 583
Sacramento.....	17, 76, 123, 144, 170, 171, 221, 248, 305, 313, 403, 485, 548, 593
St. Louis.....	31, 78, 116, 172, 213, 259, 355, 438, 511, 521, 568, 606
Salt Lake City.....	250, 274, 367, 390
San Antonio.....	20, 64, 135, 159, 213, 260, 306, 356, 404, 486, 537, 583
San Diego.....	211
San Francisco.....	2, 17, 89, 123, 171, 240, 313, 366, 389, 423, 499, 548, 593
Savannah.....	52, 229, 423, 557
Sioux City.....	594
Tampa.....	366
Tennessee.....	98, 194, 230, 274, 330, 376, 438, 569
Yonkers.....	223
Williamsport.....	549
Wilmington, Del.....	51, 61, 113
Winona.....	424, 486, 549, 595
Worcester.....	31, 90, 123, 181, 222, 273, 389, 485, 548, 594
York.....	259, 424, 425

N.

Nitrification, organisms of.....	279, 280, 301, 302
Norway, sanitary and medical report for 1887.....	131

O.

Orr, A. A., surgeon, reporting yellow fever at Delaware Breakwater quarantine station.....	271, 291
--------------------------------------------------------------------------------------------	----------

P.

Pathogenic germs, action of the soil on.....	175, 176
Pathogenic micro-organisms contained in the mouth of healthy individuals.....	208

	Page.
Philadelphia, Pa., quarantine proclamation.....	211
Phthisis in Switzerland, mortality from.....	310
Phthisis pulmonalis—	
Contagiousness of.....	244, 245
Modification of the bacillus of, by antiseptic treatment.....	200
Plague in Persia.....	338
Porter, Dr. Joseph Y., reporting case yellow fever.....	27
Posey, Dr. J. L.—	
Reporting sanitary condition of Key West.....	108-113
Reporting case of yellow fever.....	50
Precautionary measures suggested by Louisiana to owners, agents, masters of vessels, and passengers.....	192, 193
Precipitation, United States, weekly statement of.....	161, 183,
195, 205, 215, 224, 231, 232, 242, 251, 261, 276, 283, 294, 307, 315, 331, 345, 357	
Publications received, acknowledgment of.....	125, 135, 145, 160, 172, 181, 194, 223,
230, 241, 260, 274, 282, 294, 306, 314, 330, 344, 356,	
367, 376, 452, 486, 500, 521, 537, 557, 569, 595, 606	
Pneumonia, deaths from, Rochester, N. Y.....	1
Purulent fusion of the tissues, recent studies in.....	235

Q.

Quarantine act, interstate.....	143, 144
Quarantine against—	
Arabian ports.....	398, 408
Balearic Isles.....	322
Cadiz.....	321
Ceuta.....	321
Erbil.....	397
Gandia.....	320
Gibraltar.....	321
Guatemala.....	555
Hedjaz.....	398
Massouh.....	473
Melilla.....	321
Mexico.....	291
Murcia.....	553
Piedras Negras.....	360
Spain.....	299, 308, 321, 322, 381, 430, 444, 445, 470, 471, 525
Syria.....	471
Valencia.....	263, 299
Zafarine Islands.....	322
Quarantine, foreign, at, in, or by—	
Athens.....	321
Bagdad.....	397
Beirut.....	46, 446
Cairo.....	398
Costa Rica.....	555

	Page.
Quarantine, foreign, at, in, or by— <i>Continued.</i>	
Danish West Indies.....	430
Gibraltar.....	34, 35, 299, 408, 409, 410, 470, 471, 525, 553
Gibraltar, removal of.....	561, 562, 599
Italian ports.....	473
Nicaragua.....	555
Nice.....	308
Panama.....	444, 445
Queensland, Australia.....	94
Tangier.....	321
Quarantine, United States, at, in, or by—	
Eagle Pass.....	360
Louisiana.....	191, 192
Mississippi.....	341, 342, 343
New York, improvements at.....	89
San Francisco.....	107

S.

Sanitary condition of cities and towns (foreign)—

Alicante	299
Bahia.....	36, 93, 184, 198, 301, 545
Barcelona.....	334
Cadiz.....	67, 199
Canton.....	444
Cardenas.....	5, 576
Cartagena.....	207
Catania	199
Chemnitz.....	321
Coaticook.....	317, 318
Colon.....	285
Constantinople.....	279, 350
Georgetown.....	67, 175
Guadeloupe.....	325
Guaymas.....	94, 588
Havana	325, 417
Jamaica.....	491
Kingston, Jamaica.....	529
Loanda	529
Mexican steamer <i>Allejandro</i>	582
Nassau, N. P.....	5, 22, 45, 82, 119, 138, 175, 185, 207, 226, 244, 263, 285, 296, 297, 471
Para.....	253, 277, 383, 445
Piedras Negras.....	299
Puerto Cabello.....	337, 362, 472
Puerto Limon.....	285
Rio de Janeiro.....	174
Rouen.....	308
Saint Helena	505

	Page.
Sanitary condition of cities and towns (foreign)-- <i>Continued.</i>	
Santa Cruz de Teneriffe, Canary Islands.....	186, 187
Santiago de Cuba.....	44, 185, 278, 472
Shanghai.....	413, 414
Teneriffe.....	471, 492
Sanitary condition of Florida.....	354
Sanitary inspection—	
Key West, Fla.....	108-113
Merida and Progreso, Mexico.....	285
New Mexico.....	303-305
Sanitary inspectors, special order to.....	483
Sanitary regulations of Venezuela.....	493-496
Sanitary requirements imposed upon vessels in accordance with treaty between Brazil, Uruguay, and the Argentine Republic.....	263-265
Sawtelle, Surgeon Henry W.—	
Report of case of small-pox at Searsport, Me.....	257
Report of influenza on board United States revenue steamers <i>Dallas</i> and <i>Wood-</i> <i>bury</i>	15, 16
Scurvy on vessel <i>Sterling</i> at San Francisco.....	17
Small-pox in foreign cities and countries—	
Azores.....	94, 101, 146, 186, 278, 296
Brazil.....	431
Cogollos.....	381
Egypt.....	383, 417
Fayal.....	94
Guatemala.....	555, 601
Havana.....	217
Madrid.....	410, 516, 600
Mexico.....	360
Piedras Negras.....	360, 605
Piedras Negras, decrease of.....	325, 361, 383
Pernambuco.....	243, 398, 417, 529, 545, 564, 601
Rio Grande district.....	353, 354
Saint Michaels, Azores.....	148
San Miguel, Azores.....	186, 278
Small-pox in United States—	
Anna.....	61
Boston quarantine.....	169
Chelsea.....	248
Connecticut.....	134
Connecticut, banishment of.....	221
Kentucky.....	483, 484
Kentucky, investigation of reported epidemic.....	179
Kentucky, request for protection against, by the health authorities of Ten- nessee.....	169
Laredo.....	568
Meriden.....	180, 181

	Page.
Small-pox in the United States— <i>Continued.</i>	
New Mexico.....	291, 303-305
Redfield	521
Searsport.....	257
Small-pox vessels—	
<i>Allianca</i>	300, 301
<i>Sarah</i>	169, 179
Smith, Dr. William H.—	
Report on New York quarantine.....	89
Report of typhus fever on steamship <i>Westernland</i>	16, 17
Spanish rags, importation of.....	547
Stettin, Germany, vessel departing for United States without bill of health.....	247
Sulphur dioxide, disinfecting value of.....	431-433
Sulphurous-acid gas as a disinfectant.....	164

T.

Temperature and rain-fall table.....	368,
377-379, 390-392, 406, 407, 426, 427, 440, 441, 453, 454, 468, 469, 488, 489, 501,	
502, 513, 514, 523, 524, 539, 540, 551, 552, 559, 560, 571, 572, 585, 586, 607, 608	
Temperature, United States, weekly statement of.....	161, 182, 195, 205, 214, 223,
231, 241, 251, 261, 275, 282, 294, 306, 314, 315, 330, 345, 357, 426, 427, 597, 598	
Tetanus—	
<i>Bacillus</i> of.....	372, 373
Etiology and prophylaxis of	530
Experimental.....	220
New bacteriological and experimental studies in	176
Of new-born infants	12, 13
Tuberculosis	150
Tuberculosis—	
Experimental studies in.....	254-256
Prevention of.....	56, 57, 85, 95, 400, 401
Turkey, notice to vessels leaving ports for United States without bills of health...	601

V.

Vaughan, Assistant Surgeon George T.—	
Reporting case of leprosy in Indiana.....	203
Report on influenza in Evansville.....	88
Venezuela, sanitary regulations of	492-495
Vessels leaving foreign ports for United States without bills of health—	
<i>Advance</i>	451
<i>Bermuda</i>	329, 451
<i>Britannia</i>	451
<i>Ferdinand</i>	247
<i>Hounslow</i>	593
<i>Resultado</i>	512
<i>Serra</i>	291
<i>Sidonian</i>	122
<i>Strathelyde</i>	593
<i>Trinidad</i>	593

	Page.
Vessels leaving infected ports for United States—	
<i>Arcadia</i>	576
<i>Camilla</i>	574, 575
<i>Heribea</i>	50
<i>Iside</i>	575
<i>Joshua Nicholson</i>	574, 575
<i>Jupiter</i>	341
<i>Kingdom</i>	562
<i>Orpington</i>	562
<i>Progreso</i>	562
<i>Prydain</i>	574, 575
<i>Roseburgh Castle</i>	574, 575
<i>San Leonardo</i>	582
<i>Scotia</i>	429
<i>Sérésina</i>	582

W.

Water gas, danger in.....	28, 29
Wells, disinfection of, at Barcelona	309
White, Passed Assistant Surgeon J. H., reporting yellow fever on board <i>Erycina</i> ...	437
Wilkinson, Dr. C. P., report on period of incubation of yellow fever on vessels from infected ports.....	27, 28
Wool, transshipment of, to the United States, from Marseilles.....	599, 600
Wool, transshipment of, to the United States, from Beirut.....	605
Wyman, Surgeon Walter—	
Report on danger from vessels transporting Mohammedan pilgrims.....	567
Reporting two cases of leprosy brought to New Orleans.....	533

Y.

Yellow fever, foreign ports—	
Cardenas.....	300
Havana...4, 11, 36, 45, 55, 67, 82, 94, 128, 138, 163, 185, 198, 207, 217, 233, 244, 254, 278, 285, 300, 372, 383, 398, 417, 430, 444, 458, 491, 504, 545, 555, 564, 576, 588, 601, 609	
Limon, denial of.....	362
Limon, suppression of facts concerning.....	601
Malaga.....	286, 299
Merida.....	263, 285, 322
Para.....	93
Para, false report of.....	206, 253
Rio de Janeiro.....	185
Santiago de Cuba.....	576, 577
Vera Cruz.....	337, 588
Vera Cruz, mortality from.....	129
Yellow fever, United States—	
Delaware Breakwater quarantine station.....	271
Gulf quarantine station.....	238, 247, 271, 272, 341, 353, 365, 375, 389
Key West.....	27, 50
New York quarantine	499

Yellow fever, United States—*Continued.*

Page.

Philadelphia, false report of.....	281
South Atlantic quarantine	281
Yellow fever—	
Length of time that infection may be retained by fomites.....	247, 248
Period of incubation among passengers and crews of vessels from infected ports.....	27
Yellow-fever vessels—	
<i>Algoma</i>	271
<i>Alma</i>	545
<i>A. McCullum</i>	169
<i>Avon</i>	247
<i>Bellona</i>	483
<i>Brandon</i>	365
<i>Castilla</i>	365
<i>Chippewa</i>	353
<i>Eastern Monarch</i>	375
<i>Erycina</i>	430, 437
<i>Francisco Garguilo</i>	375, 389
<i>Herman Cortes</i>	286
<i>Jan Melchers</i>	291
<i>Maria de las Nieves</i>	375
<i>Papa</i>	281
<i>Santiago</i>	499



